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DATE: May 19, 2005

PTO IDENTIFIER: Application Number 10/643,164  
Patent Number

Inventor: Jonathan E. Greene

MESSAGE TO: US Patent and Trademark Office

FAX NUMBER: (703) 872-9306

FROM: NUTTER MCCLENNEN & FISH LLP  
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Attorney Dkt. #: 102323-0130

PAGES (Including Cover Sheet): 46

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Second Supplemental Amendment After Final Action (4 pages)  
Declaration of Jonathan E. Greene and Exhibit (38 pages)  
Certificate of Transmission (1 page)MAY 20 2005  
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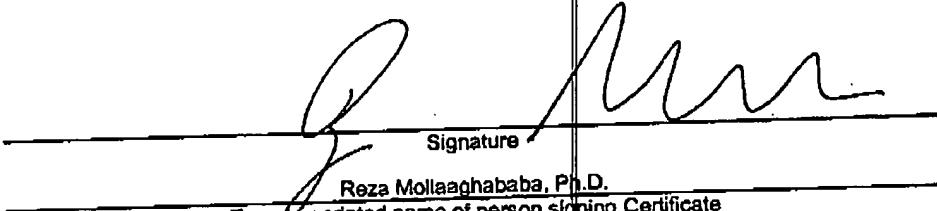
Application No. (if known): 10/843,164

Attorney Docket No.: 102323-0130

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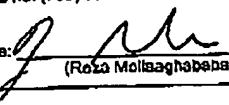
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Docket No.: 102323-0130  
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Dated: May 19, 2005 Signature:   
(Reza Molisaghbehbeh)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:  
Jonathan E. Greene

Application No.: 10/643,164

Filed: August 18, 2003

For: METHODS AND APPARATUS FOR FAST  
FOURIER TRANSFORMS

Art Unit: 2124

Examiner: C. C. Do

**AFTER FINAL – EXPEDITED  
PROSECUTION REQUESTED**

**SECOND SUPPLEMENTAL AMENDMENT**  
**AFTER FINAL ACTION**

MS AF  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to the Examiner Interview conducted May 17, 2005, please amend the above-identified U.S. patent application as follows:

Amendments to the Claims are reflected in the listing of claims which begins on page 2 of this paper.

Remarks/Arguments begin on page 4 of this paper.